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Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

Claims 1 and 2. Canceled.

1	Claim 3 (Previously presented). The ink jet recording device comprising:
2	a head formed with a plurality of nozzles;
3	a converting unit that converts recording data into driving data that
4	defines driving pulses of corresponding ones of the plurality of nozzles;
5	a feed unit that feeds a recording medium in a first direction;
6	an ejection element provided to each one of the plurality of nozzles
7	for ejecting an ink droplet from the corresponding nozzle onto the
8	recording medium in response to the driving data while the feed unit is
9	feeding the recording medium in the first direction; and
10	a memory that stores nozzle profile data including waveform data
11	and timing data for each of the plurality of nozzles, the waveform data and
12	the timing data indicating a waveform and a generating timing,
13	respectively, of the driving data for each one of the plurality of nozzles;
14	wherein
15	the converting unit converts the recording data into the driving data
16	based on the nozzle profile data, the driving data is a sequence of pulse
17	data, each pulse data corresponding to one of the plurality of nozzles;
18	a designating unit that designates a target ink amount of the ink
19	droplet and a target impact position on the recording medium on which the
20	ink droplet impacts with respect to both the first direction and a second
21	direction substantially perpendicular to the first direction;
22	a measuring unit that includes:
23	a first measuring unit that measures a first distance between
24	the target impact position and an actual impact position on the recording
25	medium where the ink droplet has impacted with respect to the first

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26	direction; and
27	a second measuring unit that measures a second distance between
28	the target impact position and the actual impact position with respect to the
29	second direction; and
30	an updating unit that updates the nozzle profile data based on the
31	target impact position, the first distance, and the second distance.
1	Claim 4 (Original). The ink jet recording device according to claim 3,
2	wherein the updating unit includes a first unit and a second unit, the first
3	unit updating the waveform data of the nozzle profile data so as to change
4	the ejected ink amount of the ink droplet, the second unit updating the
5	timing data of the nozzle profile data so as to control the actual impact
6	position with respect to the first direction.
1	Claim 5 (Previously Presented). The ink jet recording device according to
2	claim 4, wherein each of the ejection elements ejects a single ink droplet
3	from a corresponding one of the nozzles in response to a corresponding
4	one of the driving pulses, and each of the driving pulses includes a
5	plurality of sub pulses which are determined by the waveform data,
6	wherein adjacent two of the plurality of sub pulses are divided by a split
7	time.
1	Claim 6 (Original). The ink jet recording device according to claim 5,
2	wherein each of the driving pulses has a time width which is determined
3	by the waveform data of the nozzle profile data, and the first unit updates
4	the waveform data so as to change at least one of the time width of each of
5	the driving pulses, the split time of each of the driving pulses, and a pulse
6	duty of the driving pulses.
1	Claim 7 (Previously Presented). The ink jet recording device according to

claim 6, further comprising a smoothing unit provided to the driving

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element, wherein the driving element includes a piezoelectric element and an element driver that controls the piezoelectric element, the element driver outputting a driving signal to the piezoelectric element in response to the driving data, wherein the smoothing unit smoothes the driving signal output from the element driver.

Claim 8 (Previously Presented). The ink jet recording device according to claim 3, further comprising a deflection electric field generating unit and a charging electric field, generating unit, the deflection electric field generating a deflection electric field in a space defined between the recording medium and the head, the deflection electric field having field element in the second direction and a third direction in which the ink droplet is ejected, the charging electric field generating unit generating a charging electric field in the plurality of nozzles, the charging electric field having a field element in the third direction.

Claim 9 (Canceled).

Claim 10 (Previously Presented). The ink jet recording device according to claim 3, wherein the updating unit includes:

a first unit that changes the waveform data, wherein each of the driving pulses includes a plurality of sub pulses, and adjacent two of the sub pulses are separated by a split time, and wherein the first unit changes the waveform data so as to change one of the split time and a pulse duty of the plurality of the sub pulses, thereby changing the actual ink amount for each of the plurality of nozzles;

a second unit that changes the waveform data after the first unit has changed the waveform data, wherein each of the driving pulses has a time width, and the second unit changes the waveform data so as to change the time width, thereby controlling the actual impact position with respect to both the first direction and the second direction, and

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14	a third unit that changes the timing data after the second unit has
15	changed the waveform data so as to control the actual impact position with
16	respect to the first direction for each of the plurality of nozzles.
1	Claim 11 (Original). The ink jet recording device according to claim 10,
2	further comprising a smoothing unit provided to the driving element,
3	wherein the driving element includes a piezoelectric element and an
4	element driver that controls the piezoelectric element, the element driver
5	outputting a driving signal to the piezoelectric element in response to the
6	driving data, wherein the smoothing unit smoothes the driving signal
7	output from the element driver.

Claims 12 through 15. Canceled